

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 61-227520

(43)Date of publication of application : 09.10.1986

(51)Int.Cl.

A61K 9/16

A01N 25/28

A61K 9/50

C05G 5/00

(21)Application number : 60-068410

(71)Applicant : DAI ICHI SEYAKU CO LTD
WATANABE YAKUHIN KOGYO KK

(22)Date of filing : 02.04.1985

(72)Inventor : KOISHI MASUMI
ISHIZAKA TAKASHI
KURODA MINORU

(54) MICROSPHERE

(57)Abstract:

PURPOSE: Microspheres for controlling release of the third substance, obtained by packing the third substance into the hole part of porous powder and coating the surface of the powder with inorganic fine powder and/or organic fine powder.

CONSTITUTION: The third substance (e.g., drug, food and drink, animal drug, agricultural chemical, fertilizer, etc.) is packed into the hole part of porous powder (e.g., porous cellulose, porous styrene resin, porous nylon, etc.) by dissolution in a solvent, blending, suspending, emulsification, etc. and the surface of the powder is coated with inorganic fine powder (e.g., titanium oxide, silica fine powder, various bentonites, aluminum oxide, etc.; preferably $\leq 100\mu\text{m}$ particle diameter) and/or organic fine powder (e.g., methacrylate, polyethylene, nylon, etc.), to give microspheres. Since the properties and color of the microspheres can be controlled by regulating the kind and amount of the combination of the components, it is effective for various uses.

LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]